

Message

From: McBrian, Jenia [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=C7F600A3B43D48E9B50977C38A235284-TUFTS, JENIA]
Sent: 3/14/2019 1:42:20 PM
To: Noah, Greg [Noah.Greg@epa.gov]
Subject: RE: Willowbrook QA Data Review - Sample Date Range 2/14/19 to 2/20/19

Thank you.

Jenia McBrian
U.S. Environmental Protection Agency
Office of Air Quality Planning and Standards
Central Operations and Resources
109 T.W. Alexander Dr., Research Triangle Park, NC 27711
Phone: 919-541-0371

From: Noah, Greg
Sent: Thursday, March 14, 2019 9:21 AM
To: McBrian, Jenia <McBrian.Jenia@epa.gov>
Subject: FW: Willowbrook QA Data Review - Sample Date Range 2/14/19 to 2/20/19

As requested...

From: Noah, Greg
Sent: Thursday, March 14, 2019 9:05 AM
To: Chen, Xi <Chen.Xi@epa.gov>
Cc: Weinstock, Lewis <weinstock.lewis@epa.gov>
Subject: Willowbrook QA Data Review - Sample Date Range 2/14/19 to 2/20/19

Doris,

I have reviewed the data submitted by ERG for the EtO samples sampled on 2/14/2019, 2/19/2019, 2/20/2019, 2/21/2019, 2/22/2019, 2/23/2019, and 2/26/2019. The review included:

- Verifying the data contained in the data summary spreadsheet are consistent with the laboratory certificates of analysis;
- Performing manual calculations to confirm spreadsheet results could be replicated;
- Verifying all reported QC data meet the requirements outlined in the QAPP;
- Verifying ERG performed QC checks on the data, including a 10% QA review of the data.

Based upon my review, I have concluded that the data are of sufficient quality with respect to study goals and other performance criteria for their intended use.

The following observations are as follows:

The Chain of Custody for the Willowbrook Warehouse sample that was collected beginning on 2/14/19 was incomplete in that the "VALID" or "INVALID" statuses under field recovery and lab recovery were not

circled. A review of the field data indicates that the sample met QA/QC requirements and is a valid sample. Also, ERG re-reviewed the lab recovery and determined that the sample meets QA/QC requirements and is a valid sample. ERG circled "VALID", noting the change, and resubmitted the corrected data package which is attached. The field recovery section remains un-circled; however, this message can serve as evidence that the field information is correct and the sample is valid.

The chain of custody for the Willowbrook Warehouse that was collected beginning on 2/22/19 showed a difference of three inches of mercury from field retrieval (-6 "Hg) and lab receipt (-3 "Hg). ERG marked this sample as "VOID" on the COC. However, our acceptance criteria is ≤ 3 "Hg; therefore, the sample is valid. The sample was included in the summary spreadsheet as valid which is correct. ERG corrected the COC and submitted a new corrected data package which is included in this message.

As a note, three of the seven collocated samples that were performed measured non-detects; therefore, no percent differences could be calculated. Also, four replicates conducted were reported as ND because one of the two measurements or both were reported as ND or were below five times the MDL. This is a result of the low concentrations measured over this analysis period. There is no impact on the data because of these observations.

Please let me know if you have any questions.

Greg Noah
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